

63	194	194	29.3	698	13	BX260830
64	194	29.3	728	13	BU490085	
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66	194	29.3	742	13	BU346945	
67	194	29.3	752	13	BU414994	
68	194	29.3	758	13	BU357913	
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70	194	29.3	778	13	BU236503	
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72	194	29.3	786	10	BG081149	
73	194	29.3	792	13	BU108921	
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75	194	29.3	795	13	BU317813	
76	194	29.3	804	13	BUS30748	
77	194	29.3	807	13	BUL07889	
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79	194	29.3	922	13	BUL58001	
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82	192	29.1	428	10	BBY84694	
83	192	29.0	391	10	BF075390	
84	192	29.0	446	10	AV597208	
85	192	29.0	457	9	AA009304	
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## ALIGNMENTS

LOCUS AV392837  
 DEFINITION chlamydomonas reinhardtii C9 Chlamydomonas reinhardtii mRNA linear EST 23-APR-2002  
 ACCESSION AV392837  
 VERSION AV392837.1  
 KEYWORDS EST.  
 SOURCE Chlamydomonas reinhardtii  
 ORGANISM Chlamydomonas reinhardtii  
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 CHLAMYDOMONADAE; CHLAMYDOMONAS.  
 1 (bases 1 to 466)  
 AUTHORS Asamizu,E., Nakamura,Y., Sato,S., Fukuzawa,H. and Tabata,S.  
 TITLE A large scale structural analysis of DNAs in a unicellular green  
 alga, Chlamydomonas reinhardtii. I. Generation of 3433  
 non-redundant expressed sequence tags  
 JOURNAL DNA Res. 6 (5), 369-373 (1999)  
 MEDLINE 20152988  
 PUBMED 10631129  
 COMMENT Contact: Yasukazu Nakamura  
 The First Laboratory for Plant Gene Research  
 Kazusa DNA Research Institute  
 Yana 153-3, Kisarazu, Chiba 292-0812, Japan  
 Email: ynakamu@kazusa.or.jp URL: http://www.kazusa.or.jp/en/plant/  
 FEATURES Location/Qualifiers  
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  Score:             577.00
  Percent Similarity: 99.19%
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  Query Match:        87.29%
  DB:                 9.

US-09-866-582A-2 (1-135) x AV392837 (1-466)

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Qy          21 ValAlaPlyLystYasAlaSerLysserLeuGlnAspAsnThrAsnValPhelLeasn 46
Db          158 GTTGAGCAAGTraCATGCTCAAAGCAGCCTCCAGGACAACAACTGTGTCATTAACAC 2
Qy          41 IleGlnAsnMetGluGlyLeuValAspLysTrpValSerAlaIleAspGlnGlnValGlu 60
Db          218 ATCCAAATAATGCAGGCCCTGTCGCAAGTAGCTGTCCGCCATGACCAGCAGTCGAG 27
Qy          61 ArgLysGluLysLysLeuLysAlaLysAlaGlyLeuAsnGlnAsnAlaAlaLeu 80
Db          278 CGGCTAGAACGCTGAAAGCTGAAGCCATGGCTGGAAACGGGTGCTGCGCTTGAC 37
Qy          81 GluGluGargLysAsnGlyGlnLysGluGluGluGluMetLeuAlaGluLysGlnGlu 10
Db          338 GAGGGCGGAAACGAAACAAAGGAGCAGGAGGCCATGCTAGGGAGAGCAGGAGGAGGAGG 39
Qy          101 LeuGluGargLysGluGluGluGluGluGluGluGluGluGluGlu 12
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Qy          121 MetIleGln 123
Db          457 ATGATTCAG 465

RESULT 2

BE352290/c
LOCUS          BE352290
DEFINITION     8905902-8905920.x1 C. reinhardtii CC-1690, normalized, Lambda Zap II mRNA
ACCESSION      BB352290
VERSION        BE352290.1
KEYWORDS       GI:9264143
SOURCE         EST.
ORGANISM       Chlamydomonas reinhardtii
                Chlamydomonas reinhardtii
                Chlorophytidae; Chlorophyta; Chlorophyceae; Volvocales;
                Chlamydomonadaceae; Chlamydomonas.
REFERENCE      1 (bases 1 to 493)
                Grossman,A., Federspiel,N., Harris,E., Lefebvre,P.,
                McDermott,J.P., Silflow,C., Stern,D. and Surycki,R.
TITLE          Analyses of the Chlamydomonas reinhardtii Genome: A Model Vascular Plants; project phase 2
                Unpublished
COMMENT        Contact: Elizabeth H. Harris
                DCMB Box 91000

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source	1. .493 /organism="Chlamydomonas reinhardtii" /mol_type="mRNA" /strain="CC-1690 wild type mt+ 21gr" /db_xref="taxon:3055" /clone_lib="C. reinhardtii CC-1690, normalized, Lambda zap II"
/note="Vector: Bluescript II SK-; Site_1: EcoRI; Site_2: XbaI; This library, constructed by John Davies and Jeffrey McDearmon, combines cDNAs from CC-1690 cells grown to mid-log phase in TAP (acetate-containing) medium in the light, TAP medium in the dark, HS (minimal) medium in ambient levels of CO <sub>2</sub> and HS medium bubbled with 5% CO <sub>2</sub> . PolyA mRNA was purified from each sample, pooled and cDNA synthesized. The cDNA was directionally cloned into lambda ZAP I (Stratagene) in the XbaI (5') and XbaI (3') sites. Bluescript II SK plasmids were excised from the lambda ZAP clones by superinfection with ExAssist (Stratagene) phage. The library was normalized using method 4 described in Bonaldo et al (1996) Genome Research 6: 791-806."	
BASE COUNT	223 a 107 c 121 g 94 t 1 others
ORIGIN	
Alignment Scores:	
Pred. No.:	1.76e-10
Score:	227.00
Percent Similarity:	100.00%
Best Local Similarity:	34.34%
Query Match:	10
DB:	
US-09-866-582a-2 (1-135) x BW352290 (1-493)	
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Qy	108 GluGlnSerLeuIleLysValLysGlyGluGlnGluLeuMetIleGlnlysLeuAsp 127
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Qy	128 SerSerSerGlyLalaLalaVal 135
Db	373 AGCAGCAGCGGGCGCATACGGT 350
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LOCUS	BW280429 Nori Satoh unpublished cDNA library, gonad Ciona intestinalis cDNA clone cigd013n23 5', mRNA sequence.
DEFINITION	
ACCESSION	BW280429
VERSION	BW280429.1 GI:24861040
KEYWORDS	EST.
ESR:	
SOURCE	Ciona intestinalis
ORGANISM	Eukaryota; Metazoa; Chordata; Ascidiacea; Enterogona; Clionida; Ciona.
COMMENT	1. (bases 1 to 646) Satoh, Y., Shin-i,T., Kohara, Y. and Satoh,N. Title: Unpublished genes in Ciona intestinalis (2002c) Unpublished Contact: Nori Satoh Department of Zoology Kyoto University Sakyo-Ku, Kyoto, Kyoto 606-8502, Japan Tel: 81-75-753-4081 Fax: 81-75-705-1113 Email: satoh@ascidian.zool.kyoto-u.ac.jp.
FEATURES	
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